1. Given the spreadsheet setup shown below, what is the value of the following line of code?

ActiveCell.Offset(-2,1) = ?

	Α	В	С	D
1	1	2	3	4
2	5	6	7	8
3	9	10	11	12
4	13	14	15	16
5	17	18	19	20

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Incorrect. In the **ActiveCell.Offset(r,c)** statement, **r** is the number of rows that we offset from the active cell and **c** is the number of columns that we offset from the active cell. As a hint, the active cell is cell **B3** here.

2. Given the spreadsheet setup shown below, what is the value of the following line of code?

Selection.Range("A2") = ?

	Α	В	С	D
1	1	2	3	4
2	5	6	7	8
3	9	10	11	12
4	13	(14)	15	16
5	17	18	19	20
6	21	22	23	24

0	19
•	14

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✓ Correct

Correct! When Range("A2") follows another property, like Selection, that means it's referring to a sub-property of the Selection. Therefore, we are referring to cell A2 of the Selection, which is cell B4. Cell B4 has a value of 14.

3. Given the spreadsheet setup below and if the user enters 2 in the input box, what cell will be the active cell after the WhatWillHappen subroutine is run?

	Α	В	С	D
1	4	5	3	1
2	2	3	5	1
3	5	3	6	2
4	3	5	1	D4 (2)
5	5	1	2	3
6	5	2	4	5
7	1	1	г	Г

Sub WhatWillHappen()
Dim y As Integer
y = InputBox("Please enter a number:")
ActiveCell.Offset(1, Selection.Cells(3, y)).Select
End Sub

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O C5

(V) Correct

Correct! Selection.Cells(3,y) will result in Selection.Cells(3,2) = 2 when 2 is input into the input box. This will make the ActiveCell.Offset statement --> ActiveCell.Offset(1,2), which corresponds to cell D4 since the current active cell is B3. Therefore, cell D4 will become the active cell.

4. Which of the following VBA statements on the left side of the arrow are correctly paired with a description of that statement on the right side of the arrow? Multip answers are possible. HINT: 2 of the 4 are correct. FormatNumber(x,1) --> formats x to the hundredths place X This should not be selected Incorrect. This will format x to the tenths place. The second argument of the FormatNumber function corresponds as follows: -2 = hundreds place, -1 = tens place, 0 = ones place, 1 = tenths place, 2 = hundredths place (and so on...). • Range("B2:C9").Select --> Select cells B2:C9 on the current worksheet Correct! This statement will select cells B2:B9 on the current worksheet. ActiveCell.Offset(-1,0).Clear --> Erase the contents of the cell just below the single cell selected on the current worksheet nCols = Selection.Columns.Count --> Assign to a variable nCols the number of columns in the selected block of cells on the current worksheet 4. Which of the following VBA statements on the left side of the arrow are correctly paired with a description of that statement on the right side of the arrow? Multiple answers are possible. HINT: 2 of the 4 are correct. ActiveCell.Offset(-1,0).Clear --> Erase the contents of the cell just below the single cell selected on the current worksheet Range("B2:C9").Select --> Select cells B2:C9 on the current worksheet Correct! This statement will select cells B2:B9 on the current worksheet. ■ FormatNumber(x,1) --> formats x to the hundredths place ☑ nCols = Selection.Columns.Count --> Assign to a variable nCols the number of columns in the selected block of cells on the current worksheet √ Correct Correct! This is how we can determine the number of columns in a selection. 5. Which of the following is output in the message box when the ErrorOops sub is run but the Cancel button on the input box is clicked? Option Explicit Sub ErrorOops() Dim a As Integer, y As Integer On Error GoTo There y = 2a = InputBox("Please enter a number:") MsqBox a ^ 2 Exit Sub Here: y = y + 1MsgBox y Exit Sub There: y = y + 2GoTo Here End Sub 0 9 ✓ Correct Correct! When the Cancel button is pressed, this causes an internal error. Because of the On Error GoTo There statement, the VBE jumps down to line 13/14 and y = y + 2 --> y becomes 4. Next, the GoTo Here statement causes the VBE to jump up to line 8/9, and y = y + 1 --> y becomes 5.

